

Title (en)

TRANSMISSION OF AFFINE-INVARIANT SPATIAL MASK FOR ACTIVE DEPTH SENSING

Title (de)

ÜBERTRAGUNG VON AFFININVARIANTEN RÄUMLICHEN MASKEN FÜR AKTIVE TIEFENMESSUNGEN

Title (fr)

ÉMISSION DE MASQUE SPATIAL INVARIANT AUX TRANSFORMATIONS AFFINES, POUR UNE DÉTECTION DE PROFONDEUR ACTIVE

Publication

**EP 2856076 B1 20200506 (EN)**

Application

**EP 13721831 A 20130418**

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- US 201261651529 P 20120524
- US 201261651533 P 20120524
- US 201261651535 P 20120524
- US 201261666405 P 20120629
- US 201313785797 A 20130305
- US 2013037183 W 20130418

Abstract (en)

[origin: US2013314696A1] A method operational on a transmitter device is provided for projecting a composite code mask. A composite code mask on a tangible medium is obtained, where the composite code mask includes a code layer combined with a carrier layer. The code layer may include uniquely identifiable spatially-coded codewords defined by a plurality of symbols. The carrier layer may be independently ascertainable and distinct from the code layer and includes a plurality of reference objects that are robust to distortion upon projection. At least one of the code layer and carrier layer may be pre-shaped by a synthetic point spread function prior to projection. At least a portion of the composite code mask is projected, by the transmitter device, onto a target object to help a receiver ascertain depth information for the target object with a single projection of the composite code mask.

IPC 8 full level

**G06T 7/521** (2017.01); **G01B 11/25** (2006.01); **G06T 7/00** (2017.01); **H04N 5/14** (2006.01)

CPC (source: EP US)

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WO 2008062407 A2 20080529 - MANTISVISION LTD [IL], et al

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